

EduSahara™ Learning Center Assignment**Grade : Class VI, ICSE****Chapter : Powers and Roots****Name : Square and Square Root****Licensed To : Teachers and Students for non-commercial use**

1. Expand the following base power $(-4)^4$

(i) -1024 (ii) -64 (iii) 16 (iv) 2401 (v) 256

2. Find the square root of 9

(i) 1 (ii) 5 (iii) 2 (iv) 4 (v) 3

3. Find the square root of $\frac{1}{4}$

(i) $\frac{3}{2}$ (ii) $(-\frac{1}{2})$ (iii) $\frac{1}{4}$ (iv) $\frac{1}{2}$ (v) 1

4. $\sqrt{\frac{169}{64}} =$

(i) $\frac{13}{10}$ (ii) $\frac{13}{8}$ (iii) $\frac{13}{6}$ (iv) $\frac{15}{8}$ (v) $\frac{11}{8}$

5. Simplify $\frac{\sqrt{121} - \sqrt{4}}{\sqrt{100} + \sqrt{36}} =$

(i) $\frac{9}{14}$ (ii) $\frac{1}{2}$ (iii) $\frac{11}{16}$ (iv) $\frac{9}{16}$ (v) $\frac{7}{16}$

6. Find the square root of 25

(i) 2 (ii) 5 (iii) 7 (iv) 6 (v) 4

7. Find the square root of $\frac{9}{4}$

(i) 2 (ii) $\frac{3}{2}$ (iii) $\frac{1}{2}$ (iv) $\frac{5}{4}$ (v) $\frac{5}{2}$

8. $\sqrt{\frac{121}{169}} =$

- (i) $\frac{11}{15}$ (ii) $\frac{11}{13}$ (iii) $\frac{9}{13}$ (iv) 1
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9. Simplify $\frac{\sqrt{25} - \sqrt{16}}{\sqrt{100} + \sqrt{36}} =$

- (i) $\frac{1}{16}$ (ii) $\frac{1}{18}$ (iii) $(\frac{-1}{16})$ (iv) $\frac{1}{14}$ (v) $\frac{3}{16}$
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Assignment Key

- 1) (v)
- 2) (v)
- 3) (iv)
- 4) (ii)
- 5) (iv)
- 6) (ii)
- 7) (ii)
- 8) (ii)
- 9) (i)